

Amendments to the Claims:

Please cancel claims 1 to 7 as presented in the underlying International Application No. PCT/DE2004/000808.

Please add new claims 8 to 21 as indicated in the listing of claims below.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 to 7 (cancelled).

Claim 8 (new): An abradable coating for application to a casing of a gas turbine, comprising a coating produced from a material having a magnetoplumbite structure.

Claim 9 (new): The abradable coating as recited in claim 8, wherein the material is produced from lanthanum hexaaluminate.

Claim 10 (new): The abradable coating as recited in claim 8, wherein the abradable coating is a single-layer coating, and wherein the only layer of the single layer coating abradable coating is produced from lanthanum hexaaluminate.

Claim 11 (new): The abradable coating as recited in claim 8, wherein the abradable coating is a multi-layered coating, and an outermost layer of the abradable coating is produced from lanthanum hexaaluminate.

Claim 12 (new): The abradable coating as recited in claim 11, wherein the multi-layered coating includes an interior layer, disposed between the outer layer of lanthanum hexaaluminate and a casing to which the coating is applied.

Claim 13 (new): The abradable coating as recited in claim 12, wherein the interior layer is

an adhesion-promoting layer.

Claim 14 (new): The abradable coating as recited in claim 12, wherein the multi-layered coating further includes an intermediate layer of zirconium dioxide disposed between the interior layer and the outer layer of lanthanum hexaaluminate.

Claim 15 (new): A gas turbine comprising
a plurality of rotating blades,
a casing enclosing the plurality of rotating blades; and
an abradable coating on the casing, the abradable coating sealing a radial gap between the casing and the rotating blades, wherein the coating is produced from a material having a magnetoplumbite structure.

Claim 16 (new): The gas turbine as recited in claim 15, wherein the material is produced from lanthanum hexaaluminate.

Claim 17 (new): The gas turbine as recited in claim 15, wherein the abradable coating is a single-layer coating, and wherein the only layer of the single layer coating abradable coating is produced from lanthanum hexaaluminate.

Claim 18 (new): The gas turbine as recited in claim 15, wherein the abradable coating is a multi-layered coating, and an outermost layer of the abradable coating is produced from lanthanum hexaaluminate.

Claim 19 (new): The gas turbine as recited in claim 18, wherein the multi-layered coating includes an interior layer, disposed between the outer layer of lanthanum hexaaluminate and the casing.

Claim 20 (new): The gas turbine as recited in claim 19, wherein the interior layer is an adhesion-promoting layer.